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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/881,740	06/18/2001	Yoshikazu Kanazawa	1460.1021	8759

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STAAS & HALSEY LLP  
700 11TH STREET, NW  
SUITE 500  
WASHINGTON, DC 20001

EXAMINER

HARPER, HOLLY R

ART UNIT PAPER NUMBER

2879

DATE MAILED: 04/07/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/881,740

Applicant(s)

KANAZAWA ET AL.

Examiner

Holly R. Harper

Art Unit

2879

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3, 7, 8, 12-14, 18 and 19 is/are rejected.
- 7) ☒ Claim(s) 4-6, 9-11, 15-17, 20-22 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

## **DETAILED ACTION**

### ***Specification***

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

The following title is suggested: Plasma Display Device with Shielding Parts on the Transparent Electrodes.

### ***Claim Rejections - 35 USC § 112***

2. Claims 2 and 13 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
3. Claims 2 and 13 recite the limitation "portions" in Line 2. There is insufficient antecedent basis for this limitation in the claim. It is unclear to what portions the claim is referring.

### ***Claim Rejections - 35 USC § 102***

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-3, 7-8, 12-14, and 18-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Shinoda et al. (USPN 6,195,070 B1) hereinafter "Shinoda".

In regard to claims 1, 7 and 8, the Shinoda reference discloses a plasma display panel with a front substrate (Figure 8, Element 11) and a plurality of discharge electrodes (Column 12, Lines 40-43 and Figure 8, Element 41' and 42). The discharge electrodes are made of a

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transparent electrode (Figure 8, Element 41') connected to a bus electrode (Figure 8, Element 42). The bus electrode acts as a shield and shields incident light from the exterior.

In regard to claim 2, the Shinoda reference discloses discharge electrodes X' and Y', which are made of transparent and bus electrodes (Figure 8). The bus electrodes are arranged at the outside parts of the transparent electrodes. The bus electrodes are formed in conformity around portions with a low luminescent intensity.

In regard to claim 3, the Shinoda reference discloses a rear substrate (Figure 8, Element 21) and a front substrate (Figure 8, Element 11), discharge space (Figure 8, Element 30), plurality of address electrodes (Figure 8, Element 22), ribs (Figure 8, Element 29) that form cells, transparent electrodes with a projecting part projecting to the center of the cell (Figure 8, Element 41').

In regard to claims 12, 18 and 19, the Shinoda reference discloses a plasma display panel with a front substrate (Figure 8, Element 11) and a plurality of discharge electrodes (Column 12, Lines 40-43 and Figure 8, Element 41' and 42). The discharge electrodes are made of a transparent electrode (Figure 8, Element 41') connected to a bus electrode (Figure 8, Element 42). The bus electrode acts as a shield and shields incident light from the exterior.

In regard to claim 13, the Shinoda reference discloses discharge electrodes X' and Y', which are made of transparent and bus electrodes (Figure 8). The bus electrodes are arranged at the outside parts of the transparent electrodes. The bus electrodes are formed in conformity around portions with a low luminescent intensity. Given enough voltage, the discharge electrodes would be able to discharge on both sides.

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In regard to claim 14, the Shinoda reference discloses a rear substrate (Figure 8, Element 21) and a front substrate (Figure 8, Element 11), discharge space (Figure 8, Element 30), plurality of address electrodes (Figure 8, Element 22), ribs (Figure 8, Element 29) that form cells, transparent electrodes with a projecting part projecting to the center of the cell (Figure 8, Element 41').

*Allowable Subject Matter*

5. Claims 4-6, 9-11, 15-17, and 20-22 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Regarding claims 4 and 15, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claims 4 and 15, and specifically comprising the limitation that the shielding parts are formed on the projecting parts of the electrode.

Regarding claims 5 and 16, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claims 5 and 16, and specifically comprising the limitation that the shielding parts are formed on the opposing parts of the electrodes.

Regarding claims 6 and 17, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claims 6 and 17, and specifically comprising the limitation that the shielding parts are formed on the projecting parts of the electrode closest to the bus electrode.

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Regarding claims 9 and 20, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claims 9 and 20, and specifically comprising the limitation that the shielding parts have different areas depending on the luminescent color of the cells.

Regarding claims 10 and 21, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claims 10 and 21, and specifically comprising the limitation that the shielding parts in the blue cells have a smaller area than the shielding parts in the other cells.

Regarding claims 11 and 22, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claims 11 and 22, and specifically comprising the limitation that the shielding parts other than in the blue cells are formed in conformity around portions with a low luminescent intensity.

### ***Conclusion***

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Komaki et al. (USPN 5,962,974) discloses various types of electrode configurations.

Ha (USPN 6,172,461) discloses transparent electrodes with bus electrodes projecting to the side.

### ***Contact Information***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Holly Harper whose telephone number is (703) 305-7908. The examiner can normally be reached on Monday-Friday from 8:30 AM to 5:00 PM.

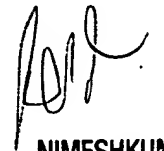
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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel, can be reached on (703) 305-4794. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-7382.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.



Holly Harper  
Patent Examiner  
Art Unit 2879



NIMESHKUMAR D. PATEL  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2800